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The following resolution offered by Mr. Price with a blank for the sum to be appropriated, was debated at length, the blank filled, and passed unanimously :

Resolved, That an appropriation of four hundred and fifty dollars (\$450) be made out of the income of the Michaux Legacy, to defray the expenses of a course of lectures in Horticultural Hall, Fairmount Park, on Silviculture, to be delivered by Dr. Rothrock.

And the meeting was then adjourned.

Syllabus of Lectures on Silviculture.

TO MR. ELI K. PRICE,

Chairman of the Committee on the Michaux Fund of the American Philosophical Society, and of the Committee on Trees and Nurseries of the Fairmount Park Commissioners.

DEAR SIR :—I have the honor to submit the following as an outline of the proposed Lectures in the Park :

1. Sketch of André Francois Michaux. Outline of the journeys made by him and by his father in North America. The primary object being the introduction into France of American plants and especially American trees. This was an early recognition there of the actual necessity of Arboriculture in its relation to the future. Provision made by William Penn, July 11, 1681, that "in clearing the ground care be taken to leave one acre of trees for every five acres cleared, especially to preserve Oak and Mulberry Trees for silk and shipping." Tree destroying tendency of the American people has been matured into an instinct.

2. Recognized need in Europe of replacing forests destroyed and of protecting those that remain has developed a matured system of Forestry. Give an outline of this system.

3. Immediate necessity for some such system in the United States, growing out of ruthless destruction of our extreme forests. Immediate action required to prevent serious injury to the future interests of commerce and of the arts in our country by a continuance of this unrestrained destruction, without any corresponding measures being taken to replace the first growth.

4. Influence of extensive forests (and vegetation generally) on face of country : 1st, from an æsthetic point as illustrated by Humboldt's Views of Nature ; 2d, by either increasing or conserving rain fall ; 3d, by preventing rapid evaporation on one hand and destructive freshets on the other ; 4th, by moderating climate, *i. e.*, warding off destructive winds,

and by supplying aqueous vapor to prevent a too free radiation of the earth's heat back into space at night.

5 and 6. Distribution of Forests in North America ; their present and prospective relation to the wants of man.

7 and 8. Treeless regions of North America. How they limit areas of cultivation by increasing areas of evaporation. How can the area of these treeless regions be decreased, and at the same time made routes for conducting water to areas of cultivation ?

9. Necessity for such measures : Result—a true and legitimate economy in government to aid in them.

10 and 11. Economic Arboriculture, as related to homes, home health and the useful arts.

12. Exotic trees to be introduced, and the propriety of government supporting extensive experimental and propagating arboretums.

13 and 14. Plants of cultivation and the changes produced by cultivation in them.

15. How plants are constructed, *i. e.*, popular sketch of their anatomy.

16. How plants are perpetuated and how they “behave.”

17. Means taken to distribute them over the globe, and some striking examples furnished.

18. Succession of vegetable life on the globe.

19. Chemistry of vegetation.

20. Evidences of design in the vegetable kingdom.

In the above I have endeavored to keep within the limitation implied in the will of André Francois Michaux, *i. e.*, that his legacy was intended to contribute to the extension and progress of Agriculture and more especially in Silviculture in the United States.

Very respectfully,

J. T. ROTHROCK.

May 2, 1877.